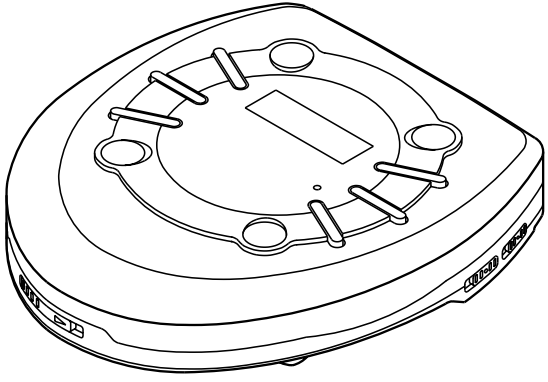
COBY®

CD / MP3 Disc Player with PLL Tuner

MPCD900



INSTRUCTION MANUAL

PLEASE READ THE INSTRUCTION CAREFULLY BEFORE OPERATING THIS UNIT.

WARNING
To prevent fire or shock hazard, do not expose this appliance to rain or moisture.

IMPORTANT
Since the CD circuitry may cause interference to other radio tuners nearby, switch this unit off when not in use or move it away from the affected radio tuner.

This device complies with Part 15 of the FCC Rules, operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesirable operation.

NOTE : This equipment has been tested and found to comply within the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by tuning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio / TV technician for help.

SAFETY CERTIFICATION
This Compact Disc Player is made and tested to meet safety standards of the FCC, requirements and compliance with safety performance of the U.S. Department of Health and Human Services, and also with FDA Radiation Performance Standards 21 CFR Subchapter J.

DANGER



INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCK FAILED OR DEFEATED. AVOID DIRECT EXPOSURE TO LASER BEAM.

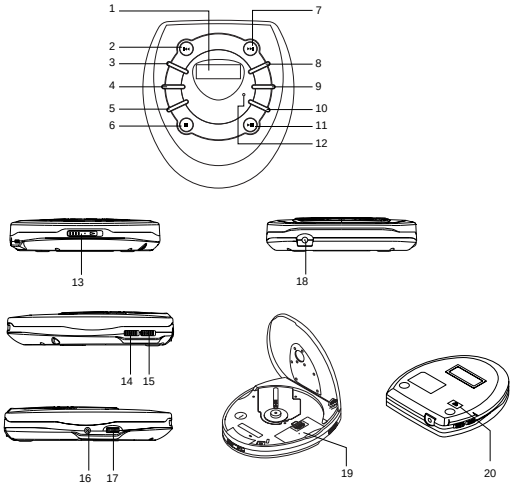
LASER SAFETY
This unit employs an optical laser beam system in the CD mechanism, designed with built -in safeguards. Do not attempt to disassemble, refer to qualified service personnel. Exposure to this invisible laser light beam may be harmful to the human eye.

THIS IS A CLASS-1 LASER PRODUCT. USE OF CONTROLS, OR ADJUSTMENTS OR PROCEDURES OTHER THAN THOSE SPECIFIED HEREIN, MAY RESULT IN HAZARDOUS LASER LIGHT BEAM EXPOSURE.

SAFETY PRECAUTIONS

1. Do not open the cabinet. Refer servicing to qualified personnel only.
2. Do not expose to excessive heat, direct sunlight, dust, moisture, vibration or shock.
3. Use ONLY the AC adaptor provide, others may damage your unit. Disconnect from the wall outlet when the set is not to be used for an extended period of time.
4. When cleaning your unit, use a soft dry cloth, do not use solvents or commercially available cleaners as they may damage or discolor the finish.
5. Do not wear headphones while operating a motor vehicle, this could create a traffic hazard and is illegal in many areas.
6. The headphones supplied with your unit provide super stereo listening while allowing you to hear outside sounds when listening at normally low volume levels. Listening at extremely high volume levels minimizes the intrusion of outside noise/sounds.
7. If you notice that the sound has become weak or distorted, this is an indication that your batteries are low. Replace with new or recharged (see "BATTERY OPERATION")

LOCATION OF CONTROLS

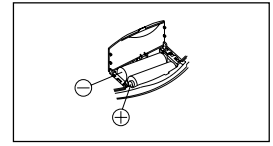


1. DISPLAY
2. TUNING(-)/B.SKIP/B.SEARCH BUTTON
3. RADIO ON/BAND BUTTON
4. PRESET BUTTON
5. ALBUM/ST/MONO BUTTON
6. STOP/POWER OFF BUTTON
7. TUNING(+)/F.SKIP/F.SEARCH BUTTON
8. ESP/+10 BUTTON
9. PROG/ENTER BUTTON
10. MODE BUTTON
11. PLAY/PAUSE BUTTON
12. CHARGE INDICATOR
13. DOOR OPEN SWITCH
14. HOLD ON/OFF SWITCH
15. BASS BOOST ON/OFF SWITCH
16. PHONE JACK
17. VOLUME CONTROL BUTTON
18. DC-IN JACK
19. BATTERY DOOR
20. CHARGE SWITCH

POWER SOURCES - NORMAL BATTERIES / AC ADAPTOR

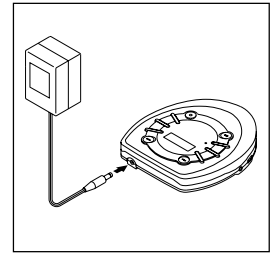
Battery Operation

1. Open the battery compartment cover and insert two "AA" alkaline batteries inside the battery compartment. Follow the polarity as indicated in the battery compartment.
2. Close the battery compartment cover.



AC Operation

1. Insert the DC plug, at the end of the AC adaptor cord into the DC input socket, at the rear of the unit.
2. Plug the AC adaptor into a 120V AC power outlet socket.

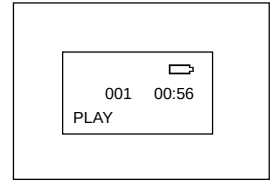


Note:

1. While using power from AC adaptor, normal batteries must be taken out from battery compartment.
2. If the AC plug of this unit does not fit in your AC outlet, a plug adaptor (not included) should be used. Consult your local dealer on the type of plug adaptor required.

LOW BATTERY ALERT

When the battery symbol is shown, it means that the batteries are losing their charge. In this case the player will not function properly and the batteries must be replaced.
In case the Ni-cd rechargeable are being used follow the instruction on how to recharge the batteries detailed in the owners' manual(see "CHARGING AND USE OF RECHARGEABLE BATTERIES".)

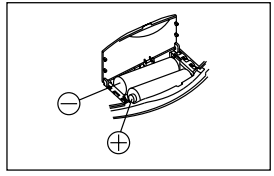


CHARGING AND USE OF RECHARGEABLE BATTERIES

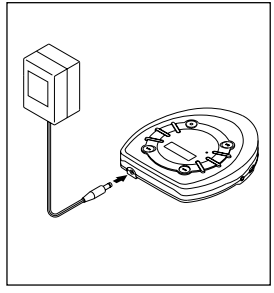
Rechargeable Battery Operation

This unit can fully recharge the specified rechargeable battery, in approximately 15 hours. The rechargeable batteries (NOT supplied) should be charged before they are used for the first time, if they have not been used for a long period (over 60 days).

1. Open the battery compartment cover and insert two of the recommended rechargeable batteries, matching polarity. (1.2V 600mA)
 BOTH BATTERIES MUST BE OF THE RECHARGEABLE NICKEL-CADMIUM TYPE, OTHERWISE THE BATTERIES MAY EXPLODE OR LEAK.



2. Plug in the AC adaptor and set the Charge Switch to ON position to start charging.
 USE ONLY THE AC ADAPTOR SUPPLIED WITH THE SET FOR CHARGING.
 Note: Charge indicator will illuminate.



3. After 15 hours, please unplug the AC adaptor and switch the Charge Switch to the OFF position.
 DO NOT CHARGE CONTINUOUSLY FOR 24 HOURS OR MORE. DOING SO CAN CAUSE THE PERFORMANCE OF THE RECHARGEABLE BATTERY TO DETERIORATE.

4. If the operating time decreases drastically even when the rechargeable nickel-cadmium batteries are properly recharged, purchase a new set of rechargeable nickel-cadmium batteries.

5. When charging for the first time or after a long time, playing time may be reduced. In this case, charge and discharge the batteries several times.

MAINTENANCE

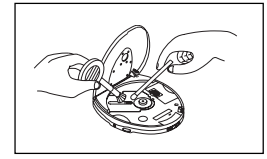
Cleaning the Cabinet

Wipe with a soft cloth. If the cabinet is very dirty, dampen the cloth with a weak solution of neutral detergent and water, and then wipe clean.

Cleaning the Lens

A dirty lens will cause sound skipping and, if the lens is very dirty, the CD may not work. Open the disc cover and clean the lens as below.

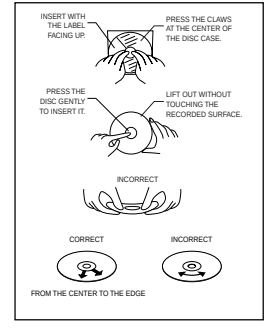
- Dust or Dry Particles
 Using a camera lens brush/blower, blow on the lens a couple of times, then wipe it lightly with the brush to remove dust. Then, blow on the lens once more.
- Fingerprints
 If the lens cannot be cleaned by using a brush/blower, use a dry cotton swab starting in the middle and working to the outside edge.



HANDLING COMPACT DISCS

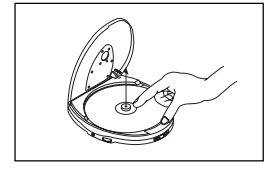
This unit is designed to play only compact disc bearing the identification logo below. Other disc may not conform to the CD standard and may not play properly.

- Dirty, scratched or warped disc may cause skipping or noise.
- Handle the disc only by the edges. To keep clean, do not touch its surface.
- Discs should be stored in their cases after use to avoid serious scratches.
- Do not expose disc to direct sunlight, high humidity, high temperatures or dust etc. Prolonged exposure to extreme temperatures can warp the disc.
- Do not stick or write anything on either side of disc. Sharp writing instruments, or the inks used in some felttip pens, may damage its surface.

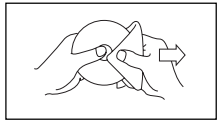


Remove the disc

Hold the edge and gently press the centre pivot as illustrated, to pick up the disc.
CAUTION:
Wait for the disc to stop rotating before pressing the OPEN button.
Note: This unit can play 3" (8cm) single CD's without an adaptor. Do not use a CD single adaptor for these discs.

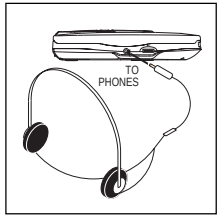


CLEANING DISCS



- Finger prints should be carefully wiped from the surface of the disc with a soft cloth. Unlike conventional records, compact discs have no grooves to collect dust and microscopic debris, so gently wiping them with a soft cloth should remove most particles. Wipe in a straight motion from the center to the edge.
- Never use thinner, benzine, record cleaner or anti-static spray on a compact disc. Such chemicals can damage its plastic surface.

LISTENING WITH HEADPHONES



Connect the plug of the stereo headphones into the PHONES (GREEN) socket.

Caution: Avoid excessive volume levels and listening to sound for a long period of time when using headphones.

■ Adjust Volume to the desired level.

TO EMPHASIZE THE BASS SOUND

Set the BASS BOOST switch to ON position. The Super Bass System enhances the low frequency response of the output.
Note: The Bass Boost performance will depend on the volume control setting.

HOLD FUNCTION

This switch prevents accidental selection of an unwanted function during playback, stop mode or tuner mode.
In the HOLD “ON” position, no function buttons on the unit can be operated except the “OPEN” button.
At this mode, “HOLD” message will display on LCD.
Move the switch to the “OFF” position, the unit returns to normal operation.

Turning Power on and off

This unit has no ON/OFF switch. To turn on and off, press the following buttons.
To turn on: - Press PLAY/PAUSE button (playback starts), it will be changed to CD/MP3 mode.
- Press RADIO/BAND button to turn on the radio mode.

To turn off: - At CD/MP3 playing mode, press STOP button once to standby mode.
If press STOP button twice, it will turn off the power immediately.
- At radio mode, press stop button to turn it off.

Auto power-off function (At CD/MP3 mode only)

When the unit is stopped (standby mode) for approximately 30 seconds, the power is turned off automatically.

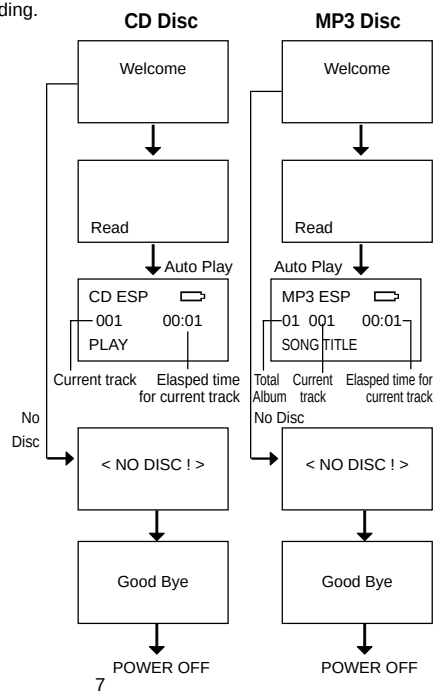
BASIC DISC PLAY

1. Connect the headphone to the PHONE(GREEN) socket.
2. Push the **OPEN** button to open the CD compartment lid.
3. Adjust the VOLUME Control to minimum.
4. Insert the disc with the label side facing up.
5. Close the lid securely until a click is heard.
6. Press the **PLAY/PAUSE** Button to start playing.

DISPLAY INFORMATION

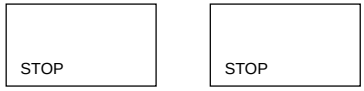
When power on, CD lid is closed:

- If disc is in, starts CD reading.



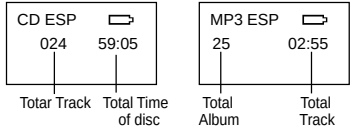
- If no disc

- Other un-recognized CD format discs.



NOTE: On rare occasions, the unit may display <STOP>; a CD with an unrecognized format causes this condition. If the player is unresponsive or appears to be locked up, simply open the CD door, remove the CD and replace with a CD containing a supported format.

- Stop Mode



- CD and MP3-CD playback from stop mode:
 - Press **PLAY/PAUSE** button to start play.
 - Press this button again to pause play temporarily, elapsed time display is flashing,
 "PLAY" will be changed to "PAUSE".
 - Press this button once again to resume play.
- Stop
 - During play, press STOP button to stop play.

SEARCH FUNCTION

Locating a Particular track

To go back to the beginning of the current or a previous track	Press SKIP DOWN button lightly and repeatedly.
To go to the beginning of any following track	Press SKIP UP button lightly once for next track or repeatedly for desired track.

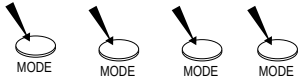
To search backward at high speed	Press and hold SKIP DOWN button
To search forward at high speed	Press and hold SKIP UP button

Low-level audio still is heard during the search process to assist in locating the correct point in the track.

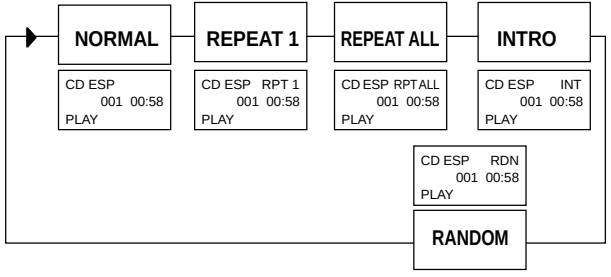
ESP/+10 Button
- At CD disc play, it turns "ON" or "OFF" the ANTI-SHOCK function.
- At MP3 disc play, it can select 10 files up by each step within the current Album.

Album/ST/Mono Button
- At MP3 disc mode, pressed this button directly to select the Album.
 To choice the desired Album used by >>I or I<< button.
- At FM radio mode, to select ST or MONO state.

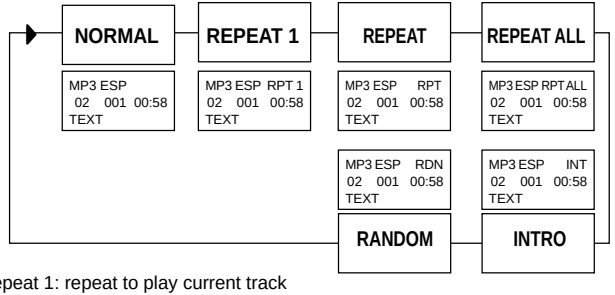
Mode Button (For CD/MP3 mode only)
It's a TOGGLE key. Every time the MODE button is pressed, the corresponding mode appears in the display window as below:



- At CD disc mode (Playing or Stop)



- At MP3 disc mode (Playing only)



Repeat 1: repeat to play current track
Repeat: repeat to play current album (mp3 disc only)
Repeat All: repeat all tracks for the entire disc
Intro: play all tracks for the first 10 seconds.
Random: play all tracks in random sequence.

Search the song title by Alphabetical order or Index (At MP3 disc stop mode only)

1. Press **MODE** button to search the song title.
2. Press **>>I** or **I<<** button to select Alphabet or Index.
3. Press **MODE** button to confirm Alphabet or Index.
4. Repeat item 2 & item 3 step, it can support 8 digit text lengths of the song title name.
5. Press **PLAY/PAUSE** button to search & start playing.

Note: If no corresponding song title to match displayed ALPHABET or INDEX, “NO FOUND” will display.

PROGRAM PLAY

This allows selected tracks on the disc to be played in any desired order.

To set the program play

• Program can be set in stop or play mode.

1. Press the PROG button, and then PRG will be display on LCD & Flash.
2. Press **>>I** or **I<<** button to select the desired Album or Track.
 - On MP3 disc mode, Album number will be flash, after selected the desired Album, pressed the Album/ST/Mono button once, it will be jump to track number & flash.
3. When desired track is displayed, press PROG button to register.
4. Repeat step 2&3 to program the order of more tracks up to 22 tracks can be programmed into memory.

To complete programming & start play

Press PLAY/PAUSE button, then PRG stop flash & starts play soon.

To clear programming

- Open the door
- Change to RADIO mode
- Power off

USING ANTI-SKIP (ESP) FEATURE

When playing a CD with CD Audio files, you can press ESP button to turn “ON” or “OFF” of the ANTI-SHOCK function. If you press it to turn “ON”, “ESP” will be appeared on LCD. If you press it to turn “OFF”, “ESP” will be disappeared from LCD.

REMINDER.....

If the unit is subjected to excessive and continuous repeated shocks, the memory buffer becomes overloaded beyond its capacity therefore causing the sound to skip.

NOTES

- When the “ESP” is operating, the battery consumption is higher because the disc rotates faster than normal and the memory circuitry is activated.
- When the digital anti-skip function is switched “ON” or “OFF”, the sound is interrupted for a short time. This is normal.
- Remember that conditions such as dirty, scratched or warped discs may cause skipping or noise thereby affecting performance of “ANTI-SKIP” system.
- The ESP button is for CD playback function only. When playback the MP3 format disc, the ESP is always on.

PLAY BACK INFORMATION

General Supports:

- Up to 99 tracks playback
- CD Audio, CD-R (Recordable) & CD-RW (Rewritable) disc
- Mixed mode disc, the set can read one kind of two (CD Audio or MP3) formats, depends on which one is recorded in first.

For MP3-CD Supports:

- MP3 music file format
- ISO9660, Joliet, Multisession
- MP3 bit rate from 32-320 kpbs & Variable bit rate
- ID3 V1.0 TAG or 2.3.0 TAG
- English Text

NOTE:

- This set cannot read the disc recorded by Direct CD, Packet writing & UDF format disc.

TROUBLE SHOOTING GUIDE

Check the following guide for problem resolution

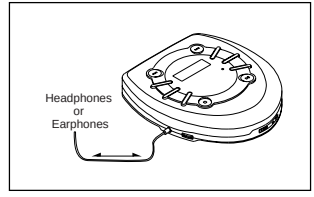
SYMPTOM	CAUSE	SOLUTION
CD/MP3 Player will not turn on	Dead or weak batteries.	Replace batteries.
	AC adaptor not connected properly.	Check AC adaptor connection.
Disc will not play	Defective compact disc.	Reinsert disc with label disc facing up.
	Defective compact disc.	Try another compact disc.
	CD compartment not closed	Closed lid securely.
	Moisture has formed.	Remove the disc, and leave the compartment door open for about one hour to dry the moisture condensation.
No sound from headphones	Headphone plug not insterted properly.	Reinsert headphone cord into headphones jack.
	Volume control set to minimum. Weak batteries	Increase the volume. Replace with fresh batteries or use AC power
	Defective compact disc	Try another compact disc.
Sound is skipping	The compact disc or pickup lens is dirty.	Clean or replace the compact disc or clean the pickup lens.
	Strong vibrations.	Place the CD/MP3 Player on a level surface that is stable (no vibrations).
Button keys no response	HOLD switch in "ON" position.	Slide the HOLD switch in "OFF" position.
Irregular characters display	Weak batteries	Replace batteries
	Electro-Static discharge to the player	Open and Close the CD door, start the player again.

LISTENING TO THE RADIO

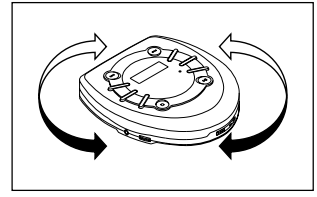
1. Press the **RADIO/BAND** button to turn on the RADIO.
2. Press the **RADIO/BAND** button again to select the desired band. (AM or FM)
3. Press the TUNING button "**>>**" or "**<<**" momentarily (less than 0.5 sec.) to step up or step down the receiving frequency in order to select the desired station.
4. For auto tuning, press and hold the TUNING button "**>>**" or "**<<**" (more than 0.5 sec.) until the displayed frequency starts to change, then release the button. Tuning will stop automatically when a station is received.
 Note: To fine-tune the selected station, follow step 3 procedures to step up or down to achieve best reception.
5. Press **STOP** button to turn off the unit.

TO IMPROVE BROADCAST RECEPTION

- For FM, extend the headphones or earphoes cord.



- For AM, reorient the player itself.



Note: Keep the headphones / earphones connected to the PHONES jack of the player. The headphones / earphones cord works as the FM antenna.

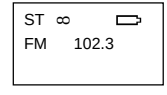
TROUBLE SHOOTING FOR RADIO RECEPTION

When auto scanning does not stop any station, or the reception is poor, it may due to weakness of signal at the location you are standing, or external interference. Please check as follows:

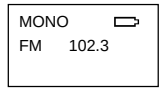
- Change the location where you standing.
- Fine-tune the tuned station by step up (Tuning Up Button) or down (Tuning Down Button).
- Use manual tuning to get the desire station if above still not getting satisfactory result.

STEREO/MONO SELECT (in FM band only)

- Press the ALBUM/ST/MONO button. If an actual stereo broadcast station is being received, ST and tuned symbol " ∞ " will appear on the display.



- Press the ALBUM/ST/MONO button. Change to MONO mode, "MONO" will appear on the display.
- If it is hard to hear the FM broadcast, set the ALBUM /ST/ MONO button to MONO. The noise will be reduced but the radio will play in mono.



PRESET STATIONS

1. Press the RADIO/BAND button to select the desired band. (AM or FM)
2. Press the TUNING button "**>>**" or "**<<** for a desired station (refer operation to step 3 and step 4 under "LISTENING TO THE RADIO").
3. When a desired station is tuned, press the PROG/ENTER button ("M1 " symbol will flash on the display) and then store the desired station by pressing the PRESET UP button. You may select any memory program number for the desired station.
4. Press the MEMORY button again to confirm the preset station ("M1"symbol will stop flashing) and the memory program number.
5. Repeat steps 2, 3 and 4 to enter remaining preset stations and memory program numbers.

Note: The preset memory capacity can store a maximum of 20 FM stations and 10 AM stations.

RECEIVING PRESET STATION

To recall any preset station within the selected band, simply press PRESET UP button until preset memory program number selected appear on the display.

PRODUCT SPECIFICATIONS

PICK UP

System	Compact disc digital audio system
Properties	Wavelength: λ = 780nm
Supported Disc Type	CD Audio, CD-R, CD-RW

AUDIO

D/A conversion	DAC four times oversampling
Frequency response	20-20,000Hz
Wow and filter	Below measurable limits
No. of channels	2 Channel (stereo)
Output level	Headphones : 20mW (32Ω)
Bass boost effect (100Hz)	> 6dB

RADIO SECTION

Frequency Range	FM: 87~108MHz AM: 530~1710kHz

DISPLAY	1 row icons, 2 rows 12-character dot matrix LCD

GENERAL

Power requirements	- 2 x LR6 "AA" alkaline battery - DC in 6V jack accepts AC power adaptor (centre positive)
Power consumption	0.8W (DC 3V) under normal condition
Dimension	Approx. 131 (W) x 28.5 (H) x 145.5 (D) mm
Weight	Approx. 290g not including battery

DESIGN AND SPECIFICATION ARE SUBJECT TO CHANGE WITHOUT NOTICE.

COBY®

90 DAY LIMITED WARRANTY

COBY ELECTRONICS CORP. ("COBY") warrants this product to the original purchaser to be free from defects in material or workmanship under normal use of 90 DAYS from the date of original purchase. COBY agrees under this warranty, to repair or replace it with a new or reconditioned product at no additional charge. Our warranty does not cover any product which has been subject to neglect, unreasonable use, accident, violation of operating instructions, or any product that has been repaired or modified by an unauthorized service agent.

To obtain factory service, return this unit freight-prepaid to the address shown below within the duration of this warranty. Enclose $6.00 for each item in the form of money order made payable to COBY ELECTRONICS CORP. to cover the cost of shipping and handling. Also, include a copy of the sales receipt to show proof of purchase and a detailed description of the problem. The unit(s) must be packaged in such a way as to reasonably protect it from possible shipping damage. For further information write to :

COBY ELECTRONICS CORP.
Customer Service Dept.
56 - 65 Rust Street
Maspeth, N.Y. 11378

COBY's liability under any legal theory for any loss or damage in any way related to this product shall not be exceed the sales price of this product. In no event shall COBY be liable for any incidental or consequential damages resulting from the use of this product, or inability to use this product. Repair or replacement as provided under this warranty is the exclusive right of the customer.

Except to the extent prohibited by law, no express or implied warranty of merchantability of fitness for a particular purpose on this product shall be extended beyond the period of this warranty. Some states prohibit the exclusion or limitation or incidental or consequential damages, so that the above limitations or exclusion may not apply to you. This warranty gives you specific rights, and you may also have other rights that may vary from State to State.